



**Certificate of Analysis**  
Compliance Test

Client Information:

**Extract Labs**  
1399 Horizon Ave.  
Lafayette, CO 80026

Batch # 20250620MBGSCM  
Batch Date: 2025-06-20  
Extracted From: Organic Cordyceps

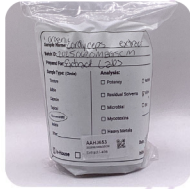
Cultivation Date: 0000-00-00  
Production Facility: ExtractLabs  
Production Date: 0000-00-00

Order # EXT260203-030001  
Order Date: 2026-02-03  
Sample # AAHJ653  
Serving Number: 1.00000

Sampling Date: 2026-02-06  
Lab Batch Date: 2026-02-06  
Completion Date: 2026-02-20

Initial Gross Weight: 44.500 g  
Net Weight: 17.500 g

Number of Units: 1  
Net Weight per Package: 17500.000 mg  
Sampling Method: MSP 7.3.1



Functional Mushroom Panel  
**Tested**

**H** Heavy Metals  
**Passed**

**M** Mycotoxins  
**Passed**

**P** Pesticides  
**Passed**

Residual Solvents  
**Passed**

**W** Water Activity  
**Tested**

**P** Pathogenic Microbiology  
**Passed**

**M** Microbiology (qPCR)  
**Passed**

**Functional Mushroom Panel \***  
Specimen Weight: 0.507 g

**Tested**  
SOP-004 (Shimadzu HPLC)

Dilution Factor: 5.000

Analyte	LOQ (%)	Result (mg/g)	Analyte	LOQ (%)	Result (mg/g)
Adenosine	9.868E-6	0.0329	Ganoderic Acid A	0.000197394	<LOQ
Betulin	0.000197394	<LOQ	Ganoderic Acid D	0.000197394	<LOQ
Betulonic Acid	0.000197394	<LOQ	Lupeol	0.000197394	<LOQ
Cordycepin	9.868E-6	<LOQ	Tryptophan	9.868E-6	0.00890
Erinacine A	0.000197394	<LOQ			

**H** Heavy Metals \*  
Specimen Weight: 254.300 mg

**Passed**  
SOP13.048 (ICP-MS)

Dilution Factor: 196

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Arsenic (As)	4.83	100	1500	<LOQ	Lead (Pb)	11.76	100	500	<LOQ
Cadmium (Cd)	.64	100	500	<LOQ	Mercury (Hg)	.58	100	3000	<LOQ

**M** Mycotoxins FL \*  
Specimen Weight: 589.660 mg

**Passed**  
SOP13.007 (LCMS/GCMS)

Dilution Factor: 2.540

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	3.0400E-1	4.9	20	<LOQ	Aflatoxin G2	2.7100E-1	4.9	20	<LOQ
Aflatoxin B2	7.7000E-2	4.9	20	<LOQ	Ochratoxin A	7.5400E-1	9.8	20	<LOQ
Aflatoxin G1	3.0400E-1	4.9	20	<LOQ					

*Aixia Sun*  
Aixia Sun Lab Director/Principal Scientist  
D.H.Sc., M.Sc., B.Sc., MT (AAB)

Definitions and Abbreviations used in this report: (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor, (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram, (µg/g) = Microgram per Gram, (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = Water Activity. ACS uses simple acceptance criteria for contaminant panels. Passed - contaminant analytes/microbes are not detected or are at the level below the action limit per FL rule 5K-4.034. Failed - contaminant analytes/microbes are at the level that is equal to or above the action limit per FL rule 5K-4.034. Client supplied the net weight of mg. The results apply to the sample as received. Please note that the analysis and sample image were conducted by an external laboratory. All test results are included in this COA for your reference. External testing COA is available upon request.

This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. ACS Laboratory is accredited to the ISO/IEC 17025:2017 Standard. The tests and/or calibrations marked with an "\*" are not ISO/IEC 17025:2017 accredited test results.





**Certificate of Analysis**  
Compliance Test

Client Information:

**Extract Labs**

1399 Horizon Ave.  
Lafayette, CO 80026

Batch # 20250620MBGSCM  
Batch Date: 2025-06-20  
Extracted From: Organic Cordyceps

Cultivation Date: 0000-00-00  
Production Facility: Extract Labs  
Production Date: 0000-00-00

Order # EXT260203-030001  
Order Date: 2026-02-03  
Sample # AAHJ653  
Serving Number: 1.00000

Sampling Date: 2026-02-06  
Lab Batch Date: 2026-02-06  
Completion Date: 2026-02-20

Initial Gross Weight: 44.500 g  
Net Weight: 17.500 g

Number of Units: 1  
Net Weight per Package: 17500.000 mg  
Sampling Method: MSP 7.3.1

**Residual Solvents - FL \*** **Passed**  
SOP13.039 (GCMS-HS)

Dilution Factor: 1.000

Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)
1,1-Dichloroethene	0.009	0.132	8	<LOQ	Heptane	0.001	8	5000	<LOQ
1,2-Dichloroethane	0.000	0.032	2	<LOQ	Hexane	0.068	0.8	250	<LOQ
Acetone	0.015	12	750	<LOQ	Isopropyl alcohol	0.005	8	500	<LOQ
Acetonitrile	0.060	0.96	60	<LOQ	Methanol	0.001	4	250	<LOQ
Benzene	0.000	0.016	1	<LOQ	Methylene chloride	0.003	2	125	<LOQ
Butanes	0.417	13.32	5000	<LOQ	Pentane	0.037	12	750	<LOQ
Chloroform	0.000	0.032	2	<LOQ	Propane	0.031	26.668	5000	<LOQ
Ethanol	0.002	16	NA	<LOQ	Toluene	0.001	2.4	150	<LOQ
Ethyl Acetate	0.001	6.4	400	<LOQ	Total Xylenes	0.000	7.2	150	<LOQ
Ethyl Ether	0.005	8	500	<LOQ	Trichloroethylene	0.001	0.4	25	<LOQ
Ethylene Oxide	0.004	0.32	5	<LOQ					

Prep. By: 1225 Date: 2026-02-07 14:11:11 Analyzed By: 1225 Date: 2026-02-07 14:11:11  
Reviewed By: 1222 Date: 2026-02-11 16:00:41 Lab Batch #: AAHJ653-55 Date: 2026-02-11 16:00:41

**Water Activity \*** **Tested**  
SOP13.016 (Water Activity Analyzer)

Analyte	Action Level (aw)	Result (aw)
Water Activity	0.85	0.0830

Prep. By: 1204 Date: 2026-02-12 15:41:21 Analyzed By: 1204 Date: 2026-02-12 15:41:21  
Reviewed By: 1204 Date: 2026-02-12 15:50:07 Lab Batch #: AAHJ653-171 Date: 2026-02-12 15:50:07

**Pathogenic Microbiology SAE (MicroArray) \*** **Passed**  
SOP13.019 (Micro Array)

Analyte	Result (cfu/g)	Analyte	Result (cfu/g)
Aspergillus flavus	Absence in 1g	Aspergillus terreus	Absence in 1g
Aspergillus fumigatus	Absence in 1g	E.Coli	Absence in 1g
Aspergillus niger	Absence in 1g	Salmonella	Absence in 1g

Prep. By: 1179 Date: 2026-02-09 09:50:13 Analyzed By: 1161 Date: 2026-02-10 09:50:13  
Reviewed By: 1161 Date: 2026-02-10 13:53:44 Lab Batch #: AAHJ653-13 Date: 2026-02-10 13:53:44

**PCR Total Yeast and Mold \*** **Passed**  
SOP13.017 (qPCR)

Analyte	LOQ (cfu/g)	Action Level (cfu/g)	Result (cfu/g)
Total Yeast/Mold	1000	100000	Not Detected

Prep. By: 1204 Date: 2026-02-08 08:59:16 Analyzed By: 1204 Date: 2026-02-08 08:59:16  
Reviewed By: 1179 Date: 2026-02-09 09:05:21 Lab Batch #: AAHJ653-218 Date: 2026-02-09 09:05:21

*Aixia Sun*  
Aixia Sun Lab Director/Principal Scientist  
D.H.Sc., M.Sc., B.Sc., MT (AAB)

Definitions are found on page 1  
This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. ACS Laboratory is accredited to the ISO/IEC 17025:2017 Standard. The tests and/or calibrations marked with an "\*" are not ISO/IEC 17025:2017 accredited test results.





**Certificate of Analysis**  
Compliance Test

Client Information:

**Extract Labs**  
1399 Horizon Ave.  
Lafayette, CO 80026

Batch # 20250620MBGSCM  
Batch Date: 2025-06-20  
Extracted From: Organic Cordyceps

Cultivation Date: 0000-00-00  
Production Facility: ExtractLabs  
Production Date: 0000-00-00

Order # EXT260203-030001  
Order Date: 2026-02-03  
Sample # AAHJ653  
Serving Number: 1.00000

Sampling Date: 2026-02-06  
Lab Batch Date: 2026-02-06  
Completion Date: 2026-02-20

Initial Gross Weight: 44.500 g  
Net Weight: 17.500 g

Number of Units: 1  
Net Weight per Package: 17500.000 mg  
Sampling Method: MSP 7.3.1

**Pesticides \***  
Specimen Weight: 589.660 mg

**Passed**  
SOP13.007 (LCMS/GCMS)

Dilution Factor: 2.540

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Abamectin	3.9900E-1	23.3	300	<LOQ	Fludioxonil	3.6000E-1	24.8	3000	<LOQ
Acephate	1.4100E-1	24.8	3000	<LOQ	Hexythiazox	1.1300E-1	24.8	2000	<LOQ
Acequinocyl	2.1780E+0	24.8	2000	<LOQ	Imazalil	2.5800E-1	24.8	100	<LOQ
Acetamiprid	1.4000E-1	24.8	3000	<LOQ	Imidacloprid	4.0200E-1	24.8	3000	<LOQ
Aldicarb	2.0300E-1	24.8	100	<LOQ	Kresoxim Methyl	1.8200E-1	24.8	1000	<LOQ
Azoxystrobin	1.8800E-1	24.8	3000	<LOQ	Malathion	2.2300E-1	24.8	2000	<LOQ
Bifenazate	8.6000E-2	24.8	3000	<LOQ	Metaxyl	2.7000E-1	24.8	3000	<LOQ
Bifenthrin	1.0000E-1	24.8	500	<LOQ	Methiocarb	1.1800E-1	24.8	100	<LOQ
Boscalid	5.9500E-1	24.8	3000	<LOQ	Methomyl	6.4000E-2	24.8	100	<LOQ
Captan	1.8500E+0	323	3000	<LOQ	methyl-Parathion	8.2000E-1	24.8	100	<LOQ
Carbaryl	1.2200E-1	24.8	500	<LOQ	Mevinphos	9.3000E-2	24.8	100	<LOQ
Carbofuran	8.6000E-2	24.8	100	<LOQ	Myclobutanil	5.7300E-1	24.8	3000	<LOQ
Chlorantraniliprole	8.4000E-2	24.8	3000	<LOQ	Naled	6.9000E-2	24.8	500	<LOQ
Chlordane	1.4100E+0	24.8	100	<LOQ	Oxamyl	4.1000E-2	24.8	500	<LOQ
Chlorfenapyr	1.5000E+0	24.8	100	<LOQ	Paclobutrazol	1.8600E-1	24.8	100	<LOQ
Chlormequat Chloride	2.0500E-1	24.8	3000	<LOQ	Pentachloronitrobenzene	2.2000E-1	24.8	200	<LOQ
Chlorpyrifos	1.0900E-1	24.8	100	<LOQ	Permethrin	6.2400E-1	24.8	1000	<LOQ
Clofentezine	2.1200E-1	24.8	500	<LOQ	Phosmet	1.2700E-1	24.8	200	<LOQ
Coumaphos	2.0600E-1	24.8	100	<LOQ	Piperonylbutoxide	1.4900E-1	24.8	3000	<LOQ
Cyfluthrin	9.8000E-1	24.8	1000	<LOQ	Prallethrin	1.4760E+0	24.8	400	<LOQ
Cypermethrin	9.8500E-1	24.8	1000	<LOQ	Propiconazole	2.9400E-1	24.8	1000	<LOQ
Daminozide	1.6550E+0	24.8	100	<LOQ	Propoxur	1.0000E-1	24.8	100	<LOQ
Diazinon	2.1200E-1	24.8	200	<LOQ	Pyrethrins	6.7000E-2	12.9	1000	<LOQ
Dichlorvos	1.1300E+0	24.8	100	<LOQ	Pyridaben	1.4000E-1	24.8	3000	<LOQ
Dimethoate	6.3000E-2	24.8	100	<LOQ	Spinetoram	4.2400E-1	24.8	3000	<LOQ
Dimethomorph	2.5810E+0	24.8	3000	<LOQ	Spinosad	2.8000E-2	24.8	3000	<LOQ
Ethoprophos	1.5100E-1	24.8	100	<LOQ	Spiromesifen	1.2000E-1	24.8	3000	<LOQ
Etofenprox	1.7200E-1	24.8	100	<LOQ	Spirotetramat	2.1100E-1	24.8	3000	<LOQ
Etoxazole	8.6600E-1	24.8	1500	<LOQ	Spiroxamine	5.3300E-1	24.8	100	<LOQ
Fenhexamid	5.8800E-1	24.8	3000	<LOQ	Tebuconazole	2.3000E-1	24.8	1000	<LOQ
Fenoxycarb	2.7400E-1	24.8	100	<LOQ	Thiacloprid	1.7000E-1	24.8	100	<LOQ
Fenpyroximate	1.9800E-1	24.8	2000	<LOQ	Thiamethoxam	1.7900E-1	24.8	1000	<LOQ
Fipronil	3.1700E-1	24.8	100	<LOQ	Trifloxystrobin	1.3400E-1	24.8	3000	<LOQ
Fonicamid	4.6600E-1	24.8	2000	<LOQ					

Prep. By: 1035 Date: 2026-02-09 11:50:10 Analyzed By: 1035 Date: 2026-02-09 11:50:10  
Reviewed By: 1222 Date: 2026-02-12 19:46:02 Lab Batch #: AAHJ653-202 Date: 2026-02-12 19:46:02

*Aixia Sun*  
Aixia Sun Lab Director/Principal Scientist  
D.H.Sc., M.Sc., B.Sc., MT (AAB)

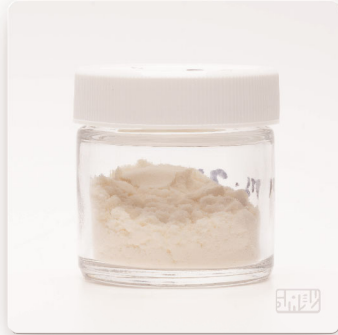
Definitions are found on page 1

This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. ACS Laboratory is accredited to the ISO/IEC 17025:2017 Standard. The tests and/or calibrations marked with an "\*" are not ISO/IEC 17025:2017 accredited test results.



# Certificate of Analysis

**Sample Name:** Organic Cordyceps Extract  
**Client:** Extract Labs  
**Sample Code:** DTS-260306-029  
**Matrix Name:** Botanical Powder - Fungal  
**Type / Result:** Quality Assurance - Pass



**Received Date:** Fri, Mar 13, 2026  
**Published Date:** Wed, Mar 25, 2026  
**Batch/Lot Code:** 20250620MBGSCM  
**Batch Size:** N/A  
**Sample Size:** 1U

BETAG ✓  
Alpha & Beta Glucans

## Approvals

### RESULTS REVIEWED BY:

**Leslie Nagy**  
Laboratory Director

Cambium Analytica  
Wednesday, Mar 25, 2026

### RESULTS CERTIFIED BY:

**Douglas Smith**  
VP - Scientific  
Operations

Cambium Analytica  
Wednesday, Mar 25, 2026

This report may not be reproduced except in full without approval from Cambium Analytica. The results herein relate only to the sample & batch identified in this report.

## Lab Information

**Address:** 1230 Woodmere Ave, Traverse City, MI 49686    **Phone:** 231.252.3669    **Accreditation:** ISO/IEC 17025:2017 – #108157



BETAG

**Alpha & Beta Glucans**LAB-TM-082 - Enzymatic Determination of Alpha & Beta Glucans in Fungi  
BETAG-DTS-260306-029-02 - TUE, MAR 24, 2026

Analyte	Value	Value (mg/g)	Action Limit	LOD	LOQ	Status
Alpha Glucan (Starch, Glycogen, Sucrose, and Trehalose)	5.806 g/100g	58.060 mg/g	N/A	0.01 %	0.01 %	N/A
Beta Glucan (1,3:1,6-Beta-Glucan, 1,3-Beta-D-Glucan, and 1,3:1,4-Beta-D-Glucan)	87.738 g/100g	877.380 mg/g	N/A	0.01 %	0.01 %	N/A

